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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	To be assigned
Filing Date	February 10, 2004
First Named Inventor	John Santhoff
Art Unit	To be assigned
Examiner Name	To be assigned
Attorney Docket Number	028CIP-119

Sheet 1 of 3

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
DV		US- 3,728,632	04-17-1973	Gerald F. Ross	
		US- 4,641,317	02-03-1987	Larry W. Fullerton	
		US- 4,743,906	05-10-1998	Larry W. Fullerton	
		US- 4,813,057	03-14-1989	Larry W. Fullerton	
		US- 4,815,106	03-21-1989	Michael B. Propp	
		US- 4,864,589	09-05-1989	Kaoru Endo	
		US- 4,979,186	12-18-1990	Larry W. Fullerton	
		US- 5,051,720	09-24-1991	Kitti Kittirutsuneto	
		US- 5,278,862	01-11-1994	Timothy J. Vander Mey	
		US- 5,363,108	11-08-1994	Larry W. Fullerton	
		US- 5,485,040	01-16-1996	Philip H. Sutterlin	
		US- 5,491,463	02-13-1996	Matthew G. Sargeant	
		US- 5,523,760	06-04-1996	McEwan	
		US- 5,554,968	09-10-1996	Raymond Lee	
		US- 5,677,927	10-14-1997	Larry W. Fullerton	
		US- 5,687,169	11-11-1997	Larry W. Fullerton	
		US- 5,729,607	03-17-1998	Anthony DeFries et al.	
		US- 5,745,837	04-28-1998	Amir Michael Fuhrmann	
		US- 5,744,526	06-30-1998	Michael B. Propp et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document:	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ "Number" ⁴ "Kind Code" (if known)				
DV		WO 02/31986	04-18-2002	Xtremespectrum, Inc.		

Examiner Signature	/Don Vo/	Date Considered	05/24/2006
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		Number-Kind Code ² (if known)			
DV		US- 5,864,284	01-26-1999	Lelon Wayne Sanderson	
↓		US- 5,937,342	08-10-1999	Paul A. Kline	
		US- 5,940,387	08-17-1999	Richard Humpleman	
		US- 5,944,842	08-31-1999	Michael B. Propp et al.	
		US- 5,982,276	11-09-1999	William L. Stewart	
		US- 6,031,862	02-29-2000	Larry W. Fullerton et al.	
		US- 6,040,759	03-21-2000	Lelon Wayne Sanderson	
		US- 6,178,217	01-23-2001	Anthony DeFries et al.	
		US- 6,281,784	08-28-2001	Robert E. Redgate et al.	
		US- 6,373,377	04-16-2002	Frank Sacca et al.	
		US- 6,586,999	07-01-2003	Richley	
		US- 2001/0011930 A1	08-09-2001	Kintis et al.	
		US- 2001/0054953 A1	12-27-2001	Paul A. Kline	
↓		US- 2002/0024423 A1	02-28-02	Paul A. Kline	
		US- 2002/0076193 A1	06-20-2002	Melick et al.	
	DV	US- 2003/0202537 A1	10-30-2003	Rogerson et al.	
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

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**Examiner
Signature**

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Date
Considered

05/24/2006

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		Examiner Name	To be assigned
Sheet 3	of 3	Attorney Docket Number 028CIP-119	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
DV		ECHELON, Powerline Communications, 05-16-1997, 50 pages	
DV		POWERLINE COMMUNICATIONS, Powerline Coexistence, White paper, 03/2001, 12 pages	
DV		DAN RAPHAELI & EVGENI BASSIN, A Comparison between OFDM, Single Carrier, and Spread Spectrum for High Data Rate PLC, 04/1999, White paper, 6 pages	

Examiner Signature	/Don Vo/	Date Considered	05/24/2006
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